Practitioner's Docket No. _____ 59693 (71987)_

PATENT

10/635245 10/635245

Preliminary Classification: Proposed Class:

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129." M.P.E.P. Section 601, 7th ed.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Yi-Shiung LEE, Chun-Yuan LI, Holman CHEN, Shih-Tsun HUANG,

and Chih-Yung YUN

CERTIFICATION UNDER 37 C.F.R. 1.10*

(Express Mail label number is mandatory.) (Express Mail certification is optional.)

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the United States Postal Service on this date **August 5, 2003**, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number **EV343730455US** addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

(type or print name of person mailing paper,

Signature of person mailing paper

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to

obtain a date of mailing or transmission for this correspondence.

*WARNING: Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label

placed thereon prior to mailing. 37 C.F.R. 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442

(Application Transmittal—page 1 of 11)

WARNING: 37 C.F.R. Section 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by Section 1.63, except as provided for in Section 1.53(d)(4) and Section 1.63(d). If an oath or declaration as prescribed by Section 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to Section 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in Section 1.17(i) is filed supplying or changing the name or names of the inventor or inventors."

For (title): GROUND-ENHANCING SEMICONDUCTOR PACKAGE AND LEAD FRAME FOR THE SAME

1. Type of Application

This new application is for a(n)

(check one applicable item below)

	[X] [] []	Original (nonprovisional) Design Plant
WARNI	NG:	Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application.
WARNI	NG:	Do not use this transmittal for the filing of a provisional application.
NOTE:	TRANSA	the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION MITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IN PARENT ATION OF THE FILING OF THIS CONTINUATION APPLICATION.
	[]	Divisional. Continuation. Continuation-in-part (C-I-P).

2. Benefit of Prior U.S. Application(s) (35 U.S.C. Sections 119(e), 120, or 121)

NOTE: A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention

claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U.S.C. Section 112. Each prior application must also be:

- (I) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or
- (ii) Complete as set forth in Section 1.51(b); or
- (iii) Entitled to a filing date as set forth in Section 1.53(b) or Section 1.53(d) and include the basic filing fee set forth in Section 1.16; or
- (iv) Entitled to a filing date as set forth in Section 1.53(b) and have paid therein the processing and retention fee set forth in Section 1.21(l) within the time period set forth in Section 1.53(f).

37 C.F.R. Section 1.78(a)(1).

NOTE If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

WARNING:

If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c). (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

!VARNING:

When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application must be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. Section 1.78(a)(3).

[] The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

3. Papers Enclosed

Α.	Required for Filing Date under 37 C.F.R. Section 1.53(b) (Regular) or 37 C.F.	.R.
	Section 1.153 (Design) Application	

12	_Pages of Specification
	Pages of Claims
	_ Sheets of Drawing

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and nonshiny paper and meet the standards according to Section 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. 1.84, see Notice of March 9, 1988. (1990 O.G. 57-62). NOTE: "Identifying indicia, if provided, should include the application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application. This information should be placed on the back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top of the page. . . " 37 C.F.R. Section 1.84(c)). (complete the following, if applicable) [] The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. Section 1.84(b). [X]**Formal** [] Informal B. Other Papers Enclosed 2 Pages of declaration and power of attorney ____ Pages of Abstract Other 4: **Additional Papers Enclosed** [] Amendment to claims [] Cancel in this applications claims ___ _ before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.) [] Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.) **Preliminary Amendment** [] Information Disclosure Statement (37 C.F.R. Section 1.98) [X] Form PTO-1449 (PTO/SB/08A and 08B) [X]Citations [X] Declaration of Biological Deposit []

Submission of "Sequence Listing," computer readable copy and/or amendment

pertaining thereto for biotechnology invention containing nucleotide and/or amino acid

Authorization of Attorney(s) to Accept and Follow Instructions from Representative

[]

[]

[]

Special Comments

Other

5. Declaration or Oath (including power of attorney)

NOTE: A newly executed declaration is not required in a continuation or divisional application provided the prior nonprovisional application contained a declaration as required, the application being filed is by all or fewer than all the inventors named in the prior application, there is no new matter in the application being filed, and a copy of the executed declaration filed in the prior application (showing the signature or an indication thereon that it was signed) is submitted. The copy must be accompanied by a statement requesting deletion of the names of person(s) who are not inventors of the application being filed. If the declaration in the prior application was filed under Section 1.47 then a copy of that declaration must be filed accompanied by a copy of the decision granting Section 1.47 status or, if a nonsigning person under Section 1.47 has subsequently joined in a prior application, then a copy of the subsequently executed declaration must be filed. See 37 C.F.R. Section 1.63(d)(1)-(3).

NOTE: A declaration filed to complete an application must be executed, identify the specification to which it is directed, identify each inventor by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and the residence, post office address and country of citizenship of each inventor, and state whether the inventor is a sole or joint inventor. 37 C.F.R. Section 1.63(a)(1)-(4).

NOTE: A The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by Section 1.62, except as provided for in Section 1.53(d)(4) and Section 1.63(d). If an oath or declaration as prescribed by Section 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to Section 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in Section 1.17(l) is filed supplying or changing the name or names of the inventor or inventors. 37 C.F.R. Section 1.41(a)(l).

-	[X]	Enclosed				
		Executed by				
•		(check all applicable boxes)				
		[X] inventor(s).				
		[] legal representative of inventor(s). 37 C.F.R. Section 1.42 or 1.43.				
		[] joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.				
		[] This is the petition required by 37 C.F.R. Section 1.47 and the statement required by 37 C.F.R. Section 1.47 is also attached. See item 13 below for fee.				
	[]	Not Enclosed.				

NOTE: Where the filing is a completion in the U.S. of an International Application, or where the completion of the U.S. application contains subject matter in addition to the International Application, the application may be treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.

[] Application is made by a person authorized under 37 C.F.R. 1.41 on behalf of *all* the above named inventor(s).

(The declaration or oath, along with the surcharge required by 37 C.F.R. Section 1.16(e),

can be filed subsequently).

		[] Showing that the filing is authorized. (not required unless called into question. 37 C.F.R. Section 1.41(d))	
6.	Invento	orship Statement	
WARNIN	NG:	If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.	
The inv	entorshi	p for all the claims in this application are:	
	[]	The same.	
	[]	Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made, [] is submitted. [] will be submitted.	
7.	Langua	age	
NOTE:	translatio	n application including a signed oath or declaration may be filed in a language other than English. An English anslation of the non-English language application and the processing fee of \$130.00 required by 37 C.F.R. Sec 17(k) is required to be filed with the application, or within such time as may be set by the Office. 37 C.F.R. Sec 52(d).	
	[X] []	English Non-English [] The attached translation includes a statement that the translation is accurate. 37 C.F.R. Section 1.52(d).	
8.	Assign	ment	
	[X]	An assignment of the invention toSilicon Precision Industries Co., Ltd. [X] is attached. A separate [] "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or [X] FORM PTO 1595 is also attached. [] will follow. [] was filed in parent application	
NOTE:		signment is submitted with a new application, send two separate letters-one for the application and one for nment" Notice of May 4, 1990 (1114 O.G. 77-78).	
WARNII	NG:	A newly executed "STATEMENT UNDER 37 C.F.R. Section 3.73(b)" must be filed when a continuation-in- part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.	

9. Certified Copy

Certified copy(ies) of application(s)

Country	Appln. No.	Filed
Taiwan	092114337	5/28/03

from which priority is claimed

[X] is (are) attached.

[] will follow.

NOTE: The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration. 37 C.F.R. Section 1.55(a) and 1.63.

NOTE: This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or International Application from which this application claims benefit under 35 U.S.C. 120 is itself entitled to priority from a prior foreign application, then complete item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

10. Fee Calculation (37 C.F.R. Section 1.16)

A. [X] Regular application

CLAIMS AS FILED					
Claims	Number Filed	Basic Fee Allowance	Number Extra	Rate	Basic Fee 37 C.F.R. 1.16(a) \$750.00
Total Claims (37 CFR 1.16(c))	20	- 20 =	0	x \$ 18.00	\$.00
Independent Claims (37 CFR 1.16(b))	2	- 3 =	0	x \$84.00	\$.00
Multiple Dependent Claim(s), if any (37 CFR 1.16(d))			+	\$280.00	\$.00

	[]	Amendment	cancelling	extra c	laims is	enclose
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[] Amendment deleting multiple-dependencies is enclosed.

[] Fee for extra claims is not being paid at this time.

NOTE:	If the fees for extra claims are not paid on filing they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37 C.F.R. Section 1.16(d).				
				Filing Fee Calculation	\$750.00
	В.	[]	Design application	G	
		(\$320.	0037 C.F.R. Section	1.16(f))	
				Filing Fee Calculation	\$
	C.	[] (\$490.	Plant application 0037 C.F.R. Section	\ -	
				Filing Fee Calculation	\$
11.	Small I	Entity S	tatement(s)		
	[]	Applic	ant claims small entity s	status.	
			(complete th	ne following, if applicable)	
		Filing 1	Fee Calculation (50% of	f A, B or C above)	\$
NOTE:				_	d refund request are filed within 2 months le under Section 1.136. 37 C.F.R. Section
12.	Reques	st for In	ternational-Type Searc	ch (37 C.F.R. Section 1.104	l(d))
•			(comp	plete, if applicable)	
	[]		prepare an international examination on the mo		his application at the time when
13.	Fee Pa	yment B	Being Made at This Tin	ne	
	[]	Not En	No filing fee is to be p		R. Section 1.16(e) can be paid
	[X]	Enclos	ed		·
		[X]	Filing fee		\$750.00
		[X]	Recording assignment		

(Application Transmittal-page 8 of 11)

14.	Method	of Pay	ment of Fees	
			Total Fees Enclosed	\$ <u>790.00</u>
complete and 1.7		the applic (a)(1), indi	1.21(1) establishes a fee for processing and retaining any apation pursuant to 37 C.F.R. Section 1.53(f) and this, as well cate that in order to obtain the benefit of a prior U.S. applising and retention fee of Section 1.21(1) must be paid, with	as the changes to 37 C.F.R. Section 1.53 cation, either the basic filing fee must be
		[]	Fee for international-type search report (\$40.00; 37 C.F.R. Section 1.21(e))	\$
		[]	Processing and retention fee (\$130.00; 37 C.F.R. Sections 1.53(d) and 1.21(l))	\$
		[]	For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. Sections 1.52(d) and 1.17(k))\$
		[]	Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached (\$130.00; 37 C.F.R. Sections 1.47 and 1.17(i))\$	
			(See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION.")	\$40.00

	paper and during the entire pendency of this application to Account No04-1105.
	 [X] 37 C.F.R. Section 1.16(a), (f) or (g) (filing fees) [X] 37 C.F.R. Section 1.16(b), (c) and (d) (presentation of extra claims)
NOTE:	Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. Section 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.
	 [X] 37 C.F.R. Section 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application) [X] 37 C.F.R. Section 1.17(a)(1)-(5) (extension fees pursuant to Section 1.136(a). [X] 37 C.F.R. Section 1.17 (application processing fees)
NOTE:	"A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under Section 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in Section 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. Section 1.136(a)(3).
	[] 37 C.F.R. Section 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. Section 1.311(b))
NOTE:	Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. Section 1.311(b)).
NOTE:	37 C.F.R. Section 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application prior to paying, or at the time of paying, issue fee." From the wording of 37 C.F.R. Section 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.
16.	Instructions as to Overpayment
NOTE:	" Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. Section 1.26(a).
	[X] Credit Account No04-1105 [] Refund

The Commissioner is hereby authorized to charge the following additional fees by this

[X]

			SIGNATURE OF PRACTITIONER				
Reg. No	o. 33,80	60	Peter F. Corless				
J	Í		(type or print name of practitioner)				
			EDWARDS & ANGELL, LLP				
Tel. No	: (617	7) 439-4444	P.O. Box 9169				
2011110	(01)	,	P.O. Address				
Custom	ner No.:	21874	Boston, MA 02209				
[]	[] Incorporation by reference of added pages (check the following item if the application in this transmittal claims the benefit of application(s) (including an international application entering the U.S. stage as a claim divisional or C-I-P application) and complete and attach the ADDED PAGES APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICLAIMED)						
	[]	Plus Added Pages for New Application Application(s) Claimed	on Transmittal Where Benefit of Prior U.S. Number of pages added				
	[X]	[X] Plus Added Pages for Papers Referred to in Item 4 Above					
•	[A]	Thus Added Fages for Fapers Referred to in	Number of pages added92				
	Plus added pages deleting names of inventor(s) named on prior application(s) who is/are longer inventor(s) of the subject matter claimed in this application. Number of pages added						
	[X]	Plus "Assignment Cover Letter Accompany	ying New Application" Number of pages added2				
[X]	Statement Where No Further Pages Added						
	(if no further pages form a part of this Transmittal, then end this Transmittal with this pag check the following item)						

This transmittal ends with this page.

[X]